

46. **(Amended)** An isolated nucleic acid which comprises between about 10 and 7000 consecutive nucleotides of SEQ ID NO:2, wherein said nucleic acid contains positions 8845-8850 of SEQ ID NO: 2.

58. **(New)** An isolated nucleic acid which comprises between about 132 and 7000 consecutive nucleotides of SEQ ID NO:2, wherein said nucleic acid contains positions 8714-8845 of SEQ ID NO: 2.

59. **(New)** An isolated nucleic acid of claim 58, which comprises between about 150 and 7000 consecutive nucleotides of SEQ ID NO:2.

60. **(New)** An isolated nucleic acid of claim 58, which comprises between about 200 and 7000 consecutive nucleotides of SEQ ID NO:2.

61. **(New)** An isolated nucleic acid of claim 58, which comprises between about 300 and 7000 consecutive nucleotides of SEQ ID NO:2.

62. **(New)** An isolated nucleic acid of claim 58, which comprises between about 500 and 7000 consecutive nucleotides of SEQ ID NO:2.

63. **(New)** An isolated nucleic acid of claim 58, which comprises between about 1000 and 7000 consecutive nucleotides of SEQ ID NO:2.

64. **(New)** An isolated nucleic acid of claim 58, which comprises between about 5000 and 7000 consecutive nucleotides of SEQ ID NO:2.

65. **(New)** An isolated nucleic acid that is a complement of the isolated nucleic acid of claim 58.

66. **(New)** An isolated nucleic acid of claim 58, further comprising a label.